

MacAllister Power Systems

TRANSFER SWITCH INSPECTION

MacAllister Power Systems has over 20 technicians statewide to serve our customers 24/7. Quick response and quality service is our number one goal. Knowing that employee safety is the most important aspect of our business and yours, MacAllister has taken the initiative to make sure our technicians are properly trained and certified to work on all makes and models of automatic transfer switches. Successful completion of Category 2 Arc Flash training has been obtained by all of our field service technicians and they are required to wear the appropriate PPE for each inspection or repair. All of which will assure you that when MacAllister arrives on site, we are providing the best safe electrical practices of the industry.

MacAllister Power Systems will perform all the following points below and take corrective action, if any, as needed. Where applicable and when permitted by the customer, during each visit we will check and/or replace the following:

DE-ENERGIZED

1. Check all terminal connections for tightness
2. Re-torque connections, TS mounting, contact mounting and terminal strips

DISABLED

1. Inspect all insulation for degradation.
2. Inspect barriers and arc chutes.
3. Inspect Transfer Switch coil, rectifier and resistors (OHMS)
4. Inspect the coil and contacts of the following.
5. Selector relay.
6. Lockout relay.
7. Arming relay.
8. Voltage relay.
9. Normal relay.
10. Emergency relay.
11. All other accessory relays.
12. Inspect all timers.
13. Inspect and infrared arcing contacts where possible.
14. Inspect and infrared main contacts where possible.
15. Inspect linkage and lubricate as necessary.
16. Clean the exposed Transfer Switch coil core and lubricate.
17. Clean and vacuum Transfer Switch enclosure and controls.
18. Inspect transfer switch & enclosure for corrosion, moisture and/or chemicals.
19. Inspect and lubricate cabinet hardware for proper operation.
20. Re-lubricate the transfer switch operator and pivot points.
21. Replace defective switch indicator bulbs.



**Standard Automatic
Transfer Switch**

(Transfer Switch Inspection continues on reverse.)

SERVICE UNEQUALED SUPPORT

24 Hour Emergency 888-588-3844

MACALLISTER
POWER SYSTEMS

CAT

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TRANSFER SWITCH INSPECTION (continued)

ENERGIZED

1. Record Utility Voltage
2. Record Utility Amperage
3. Record Peak Amperage
4. Check for proper operation of the transfer switch, timers, relays, remote start contacts, exercisers, phase monitors, and record settings.
5. Check for voltage drop across the main current carrying contacts.
6. Check for excessive heat build-up with infrared thermometer.
7. Record emergency voltage.
8. Record emergency frequency.
9. Inspect all optional accessories.

BYPASS/ISOLATION SWITCHES

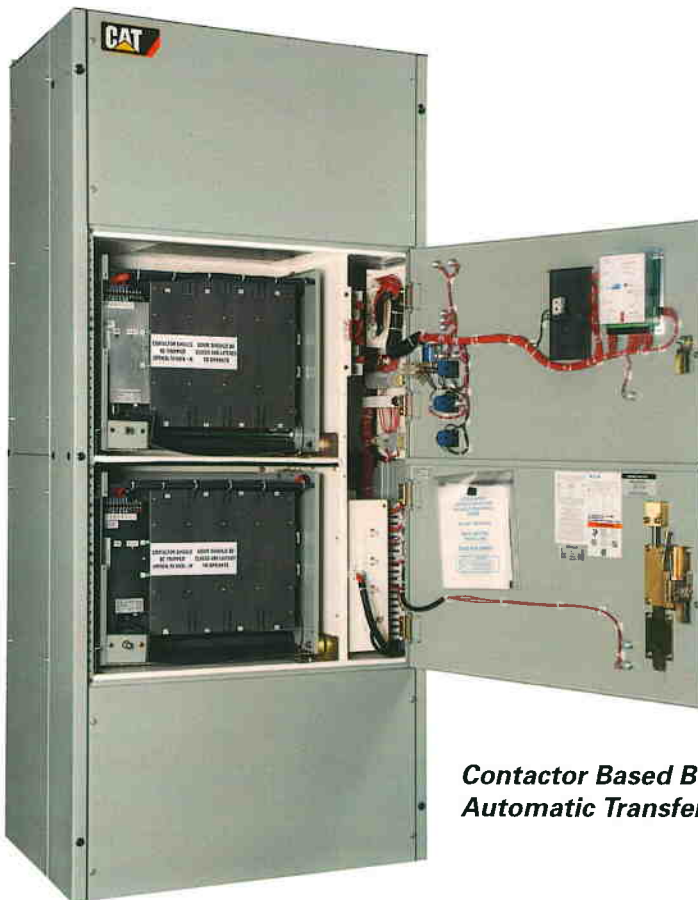
10. Inspect arcing contacts.
11. Inspect main contacts.
12. Inspect barrier and arc chutes.
13. Inspect linkage and lubricate as necessary.
14. Check engine start bypass contacts for proper operation.
15. Inspect all safety interlocks.

CLOSE TRANSITION TRANSFER SWITCHES

16. Check closed transition Bypass operation.
17. Check alarm time delay settings.

MISCELLANEOUS ITEMS

18. Replace ATS Batteries as needed.
19. Customer authorized Load Transfer.
20. Place all switches in proper operation mode.
21. Provide customer with written documentation of service procedures, any findings, suggested repairs, and recommended corrective actions needed.



Contactor Based By-Pass Isolation Automatic Transfer Switch

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